

WHAT IS CLAIMED IS:

1. A security system comprising a detection means for radiating light or an electric wave to a prescribed area, receiving a wave reflected by an object, and obtaining at least the relative speed and location of said object, an imaging means  
5 for picking up image information of the prescribed area, and a moving means for changing the imaging direction of said imaging means,

wherein said moving means is controlled according to the relative speed and location of said object so as to direct the imaging direction of said imaging means toward said object.

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2. A security system according to claim 1, wherein said detection means transmits an electric wave from one transmission antenna and receives the signal by two receiving antennas to detect the azimuth of the target.

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3. A security system according to claim 1, wherein said detection means is a 2 - frequency CW type millimeter wave radar.

4. A security system according to claim 1, wherein said imaging means is a camera.

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5. A security system according to claim 1, wherein said imaging means has a zoom means for enlarging or reducing the size of the image information according

to the relative speed and location of said object.

6. A security system according to claim 1, further comprising a lighting means for radiating light or an electric wave to the prescribed area and a means for  
5 changing the radiation direction of said lighting means, wherein light or an electric wave is radiated according to the location of said object to pick up an image of said object.

7. A security system according to claim 6, wherein said lighting means can  
10 change output according to the location of said object.

8. A security system according to claim 1, further comprising a recording means for recording at least the relative speed and location of said object detected by said detection means or image information captured by said imaging means.  
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9. A security system according to claim 1, further comprising a transmission means for transmitting an output of said detection means and/or an output of said imaging means, wherein at least the relative speed and location of said object detected by said detection means or image information captured by said imaging  
20 means is transmitted.

10. A security system according to claim 9, further comprising a means for

processing image information of said object and determining whether said object  
detected by said detection means is a person or not, wherein when it is determined  
that said detected object is a person, at least the relative speed and location of said  
object detected by said detection means or image information captured by said  
5 imaging means is transmitted.

11. A security system according to claim 9, further comprising a receiving  
means for receiving information transmitted by said transmission means, and an  
information display means for displaying information received by said receiving  
10 means.

12. A security system comprising a detection means for radiating light or an  
electric wave to a prescribed area, receiving a wave reflected by an object and  
obtaining at least the relative speed and location of said object, an imaging means  
15 for picking up image information of the prescribed area, and a moving means for  
changing the imaging direction of said imaging means, a transmission means for  
transmitting an output of said detection means and/or an output of said imaging  
means, a receiving means for receiving information transmitted by said  
transmission means, and a display means for displaying received information so  
20 that an operator can see it,

wherein said moving means is controlled according to the relative speed and  
location of said object so as to track said object and pick up an image of said

object.

13. A security system according to claim 12, further comprising an annunciation means for notifying an operator that said receiving means has received information.

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14. A security system according to claim 13, wherein said annunciation means notifies the operator of the receipt of said information by means of sound.

15. A security system according to claim 13, further comprising a means for  
10 processing image information of said object and determining whether said object received by said receiving means is a person or not, wherein when it is determined that said detected object is a person, said annunciation means is activated.

16. A security system according to claim 13, further comprising a means for  
15 processing image information of said object and determining whether said object received by said receiving means is a person or not, wherein when it is determined that said detected object is a person, said display means starts to display said image information.

20 17. A radar device for a security system which is installed outside the building, radiates light or an electric wave to a prescribed area, receives a wave reflected by an object, and obtains at least the relative speed and location of said object,

wherein the beam width of the radar device is 10 degrees or more.

18. A radar device for a security system according to claim 17, wherein the location of said object is detected by one transmission antenna transmitting an electric wave and two receiving antennas receiving the signal.
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